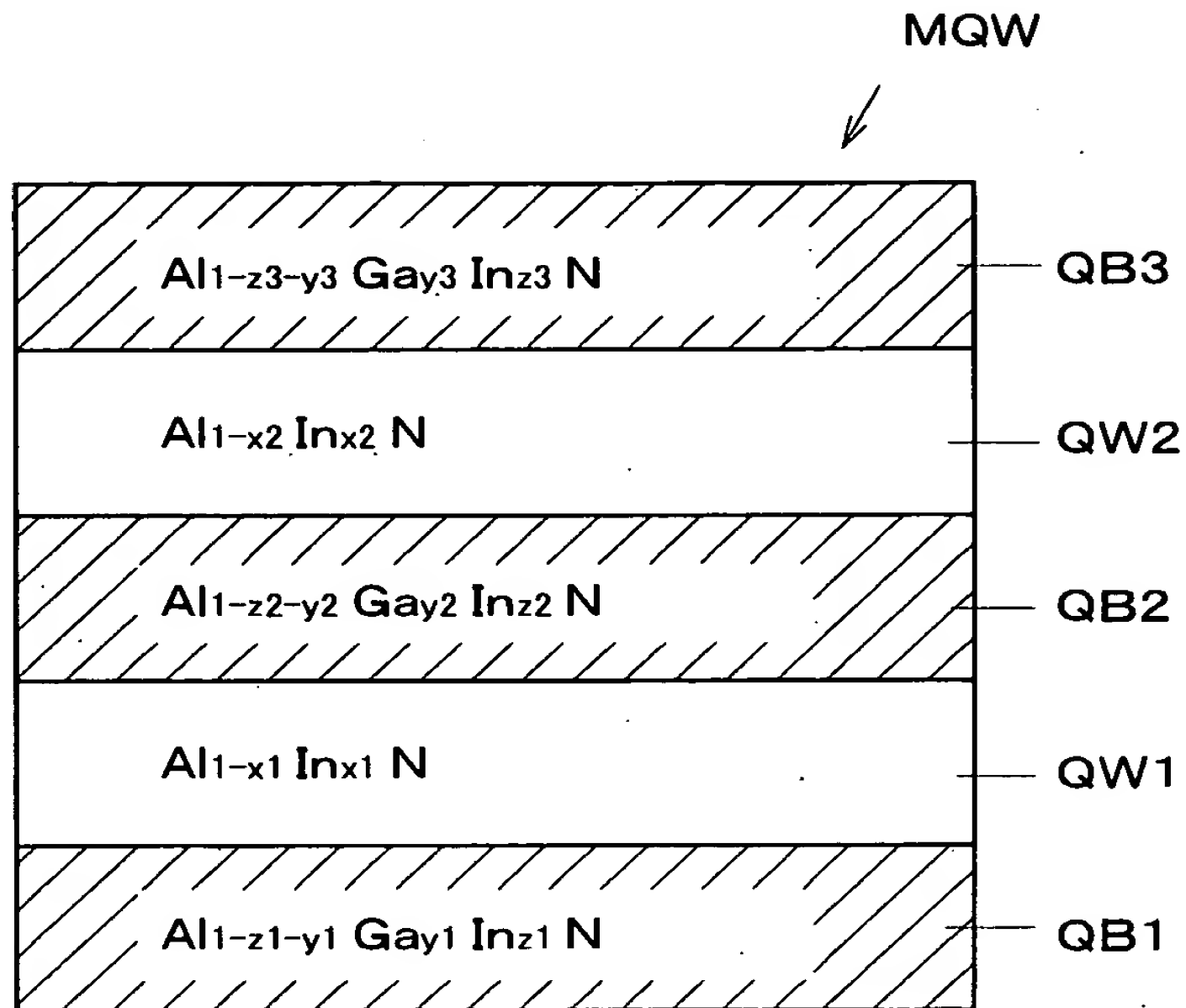


FIG. 1



QUANTUM WELL LAYER

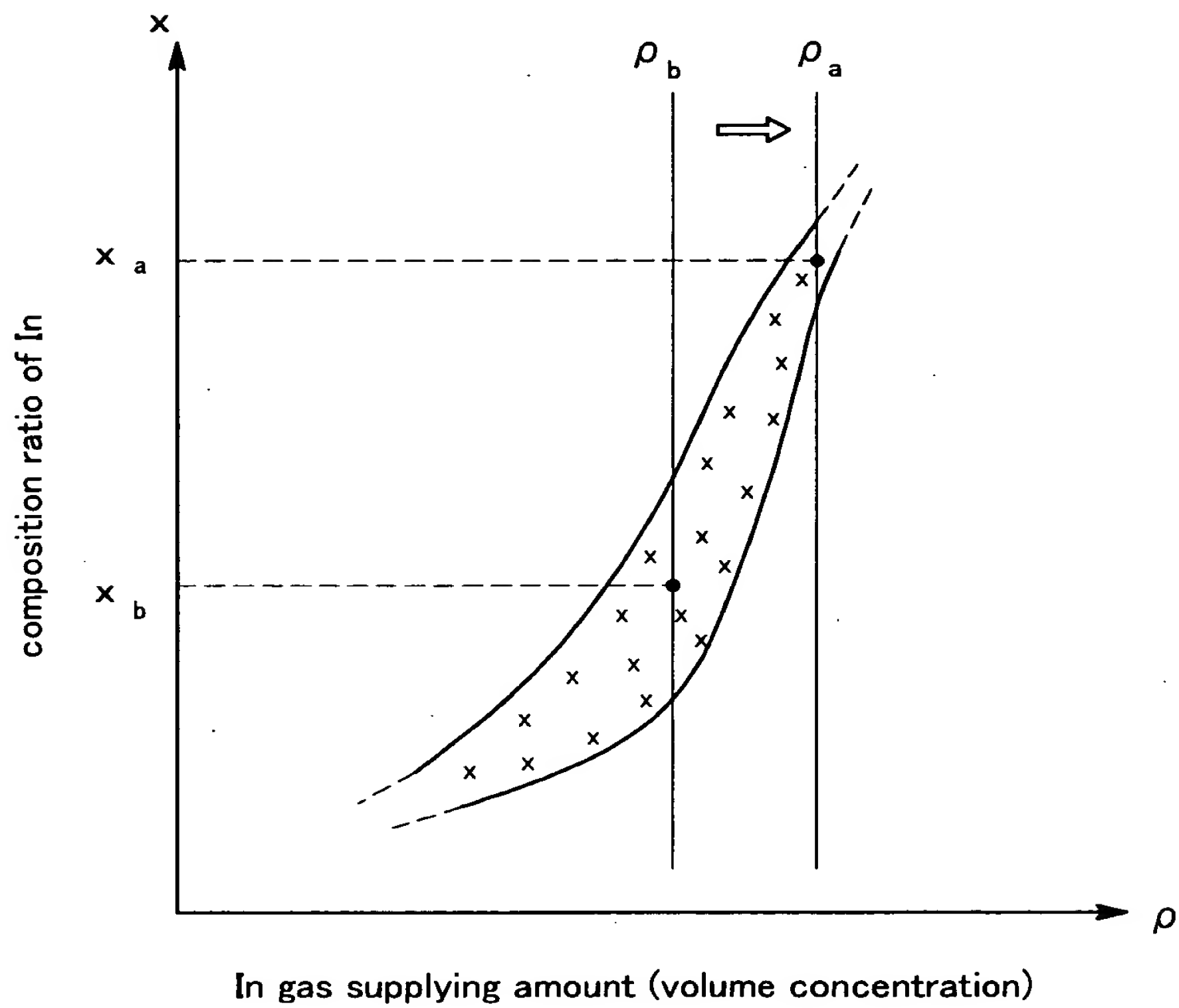
$$QW_n: 0 < x_n \leq 1 \quad \dots n=1, 2$$

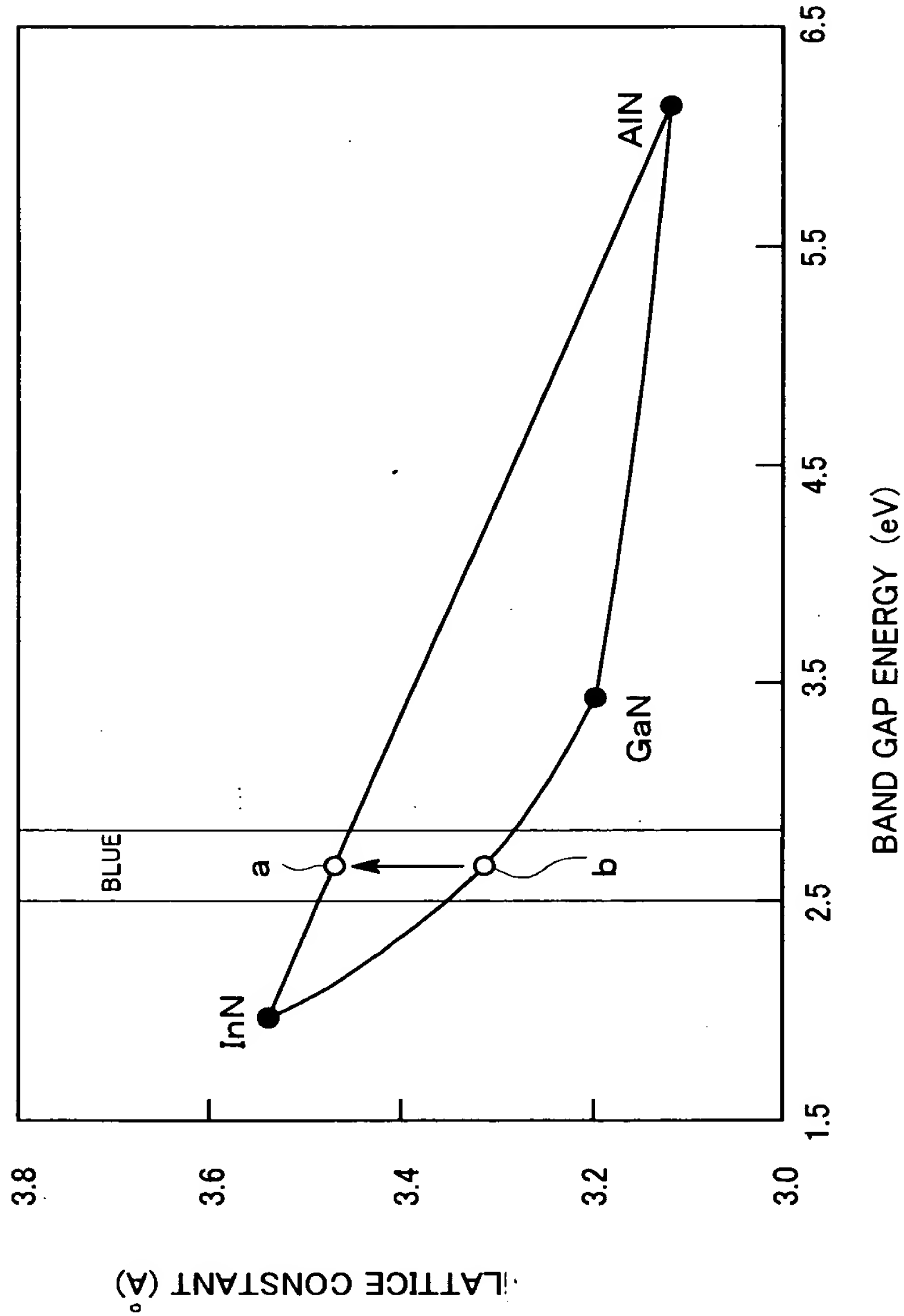
QUANTUM BARRIER LAYER

$$QB_m \left\{ \begin{array}{l} 0 \leq y_m \leq 1 \\ 0 \leq z_m < 1 \\ 0 \leq z_m + y_m \leq 1 \end{array} \right\} \quad m=1, 2, 3$$



FIG. 2





Point A: Al_{1-xa}In_{xa}N (x_a ≈ 0.40)

Point B: Ga_{1-xb}In_{xb}N (x_b ≈ 0.15)

FIG. 3

FIG. 4

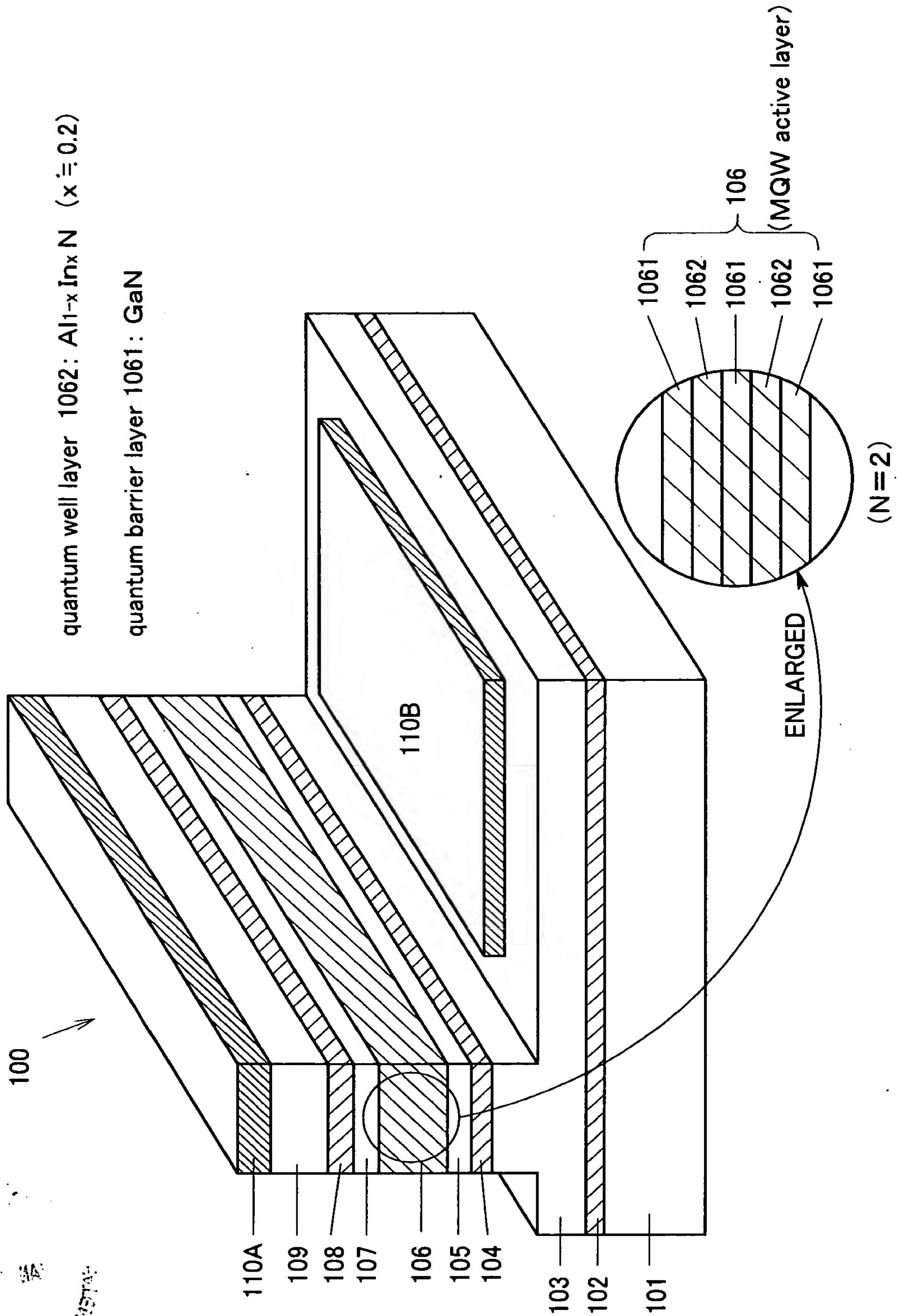


FIG. 5A

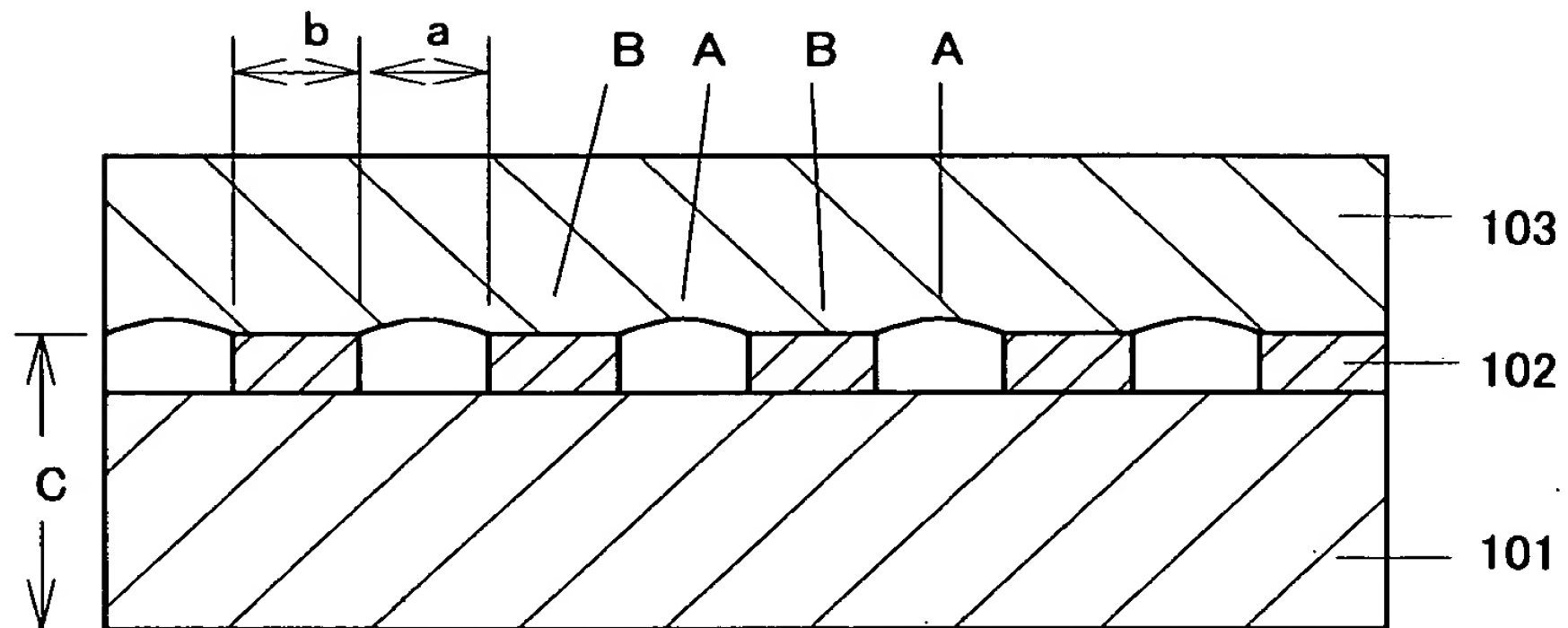


FIG. 5B

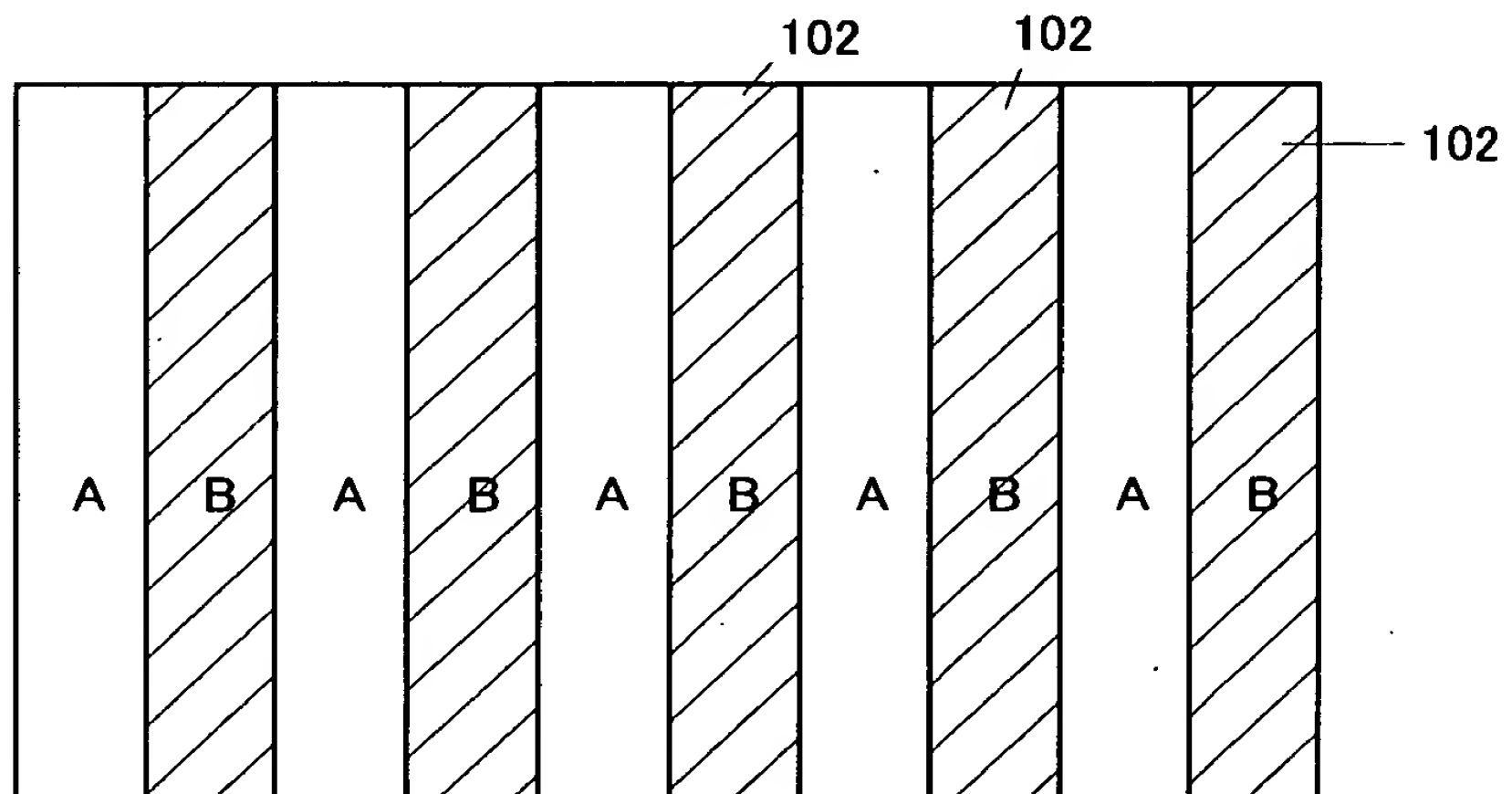


FIG. 5C

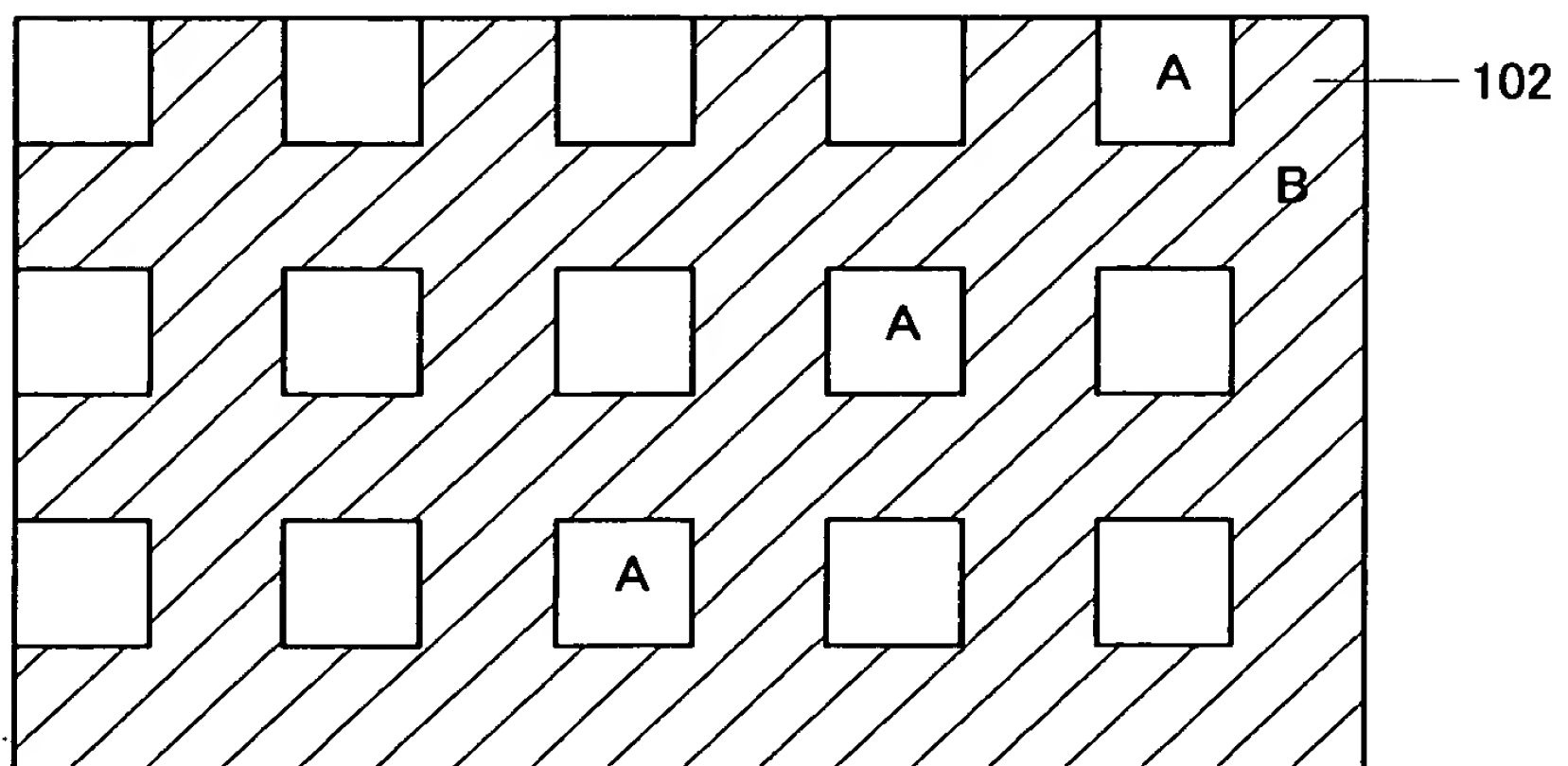


FIG. 6

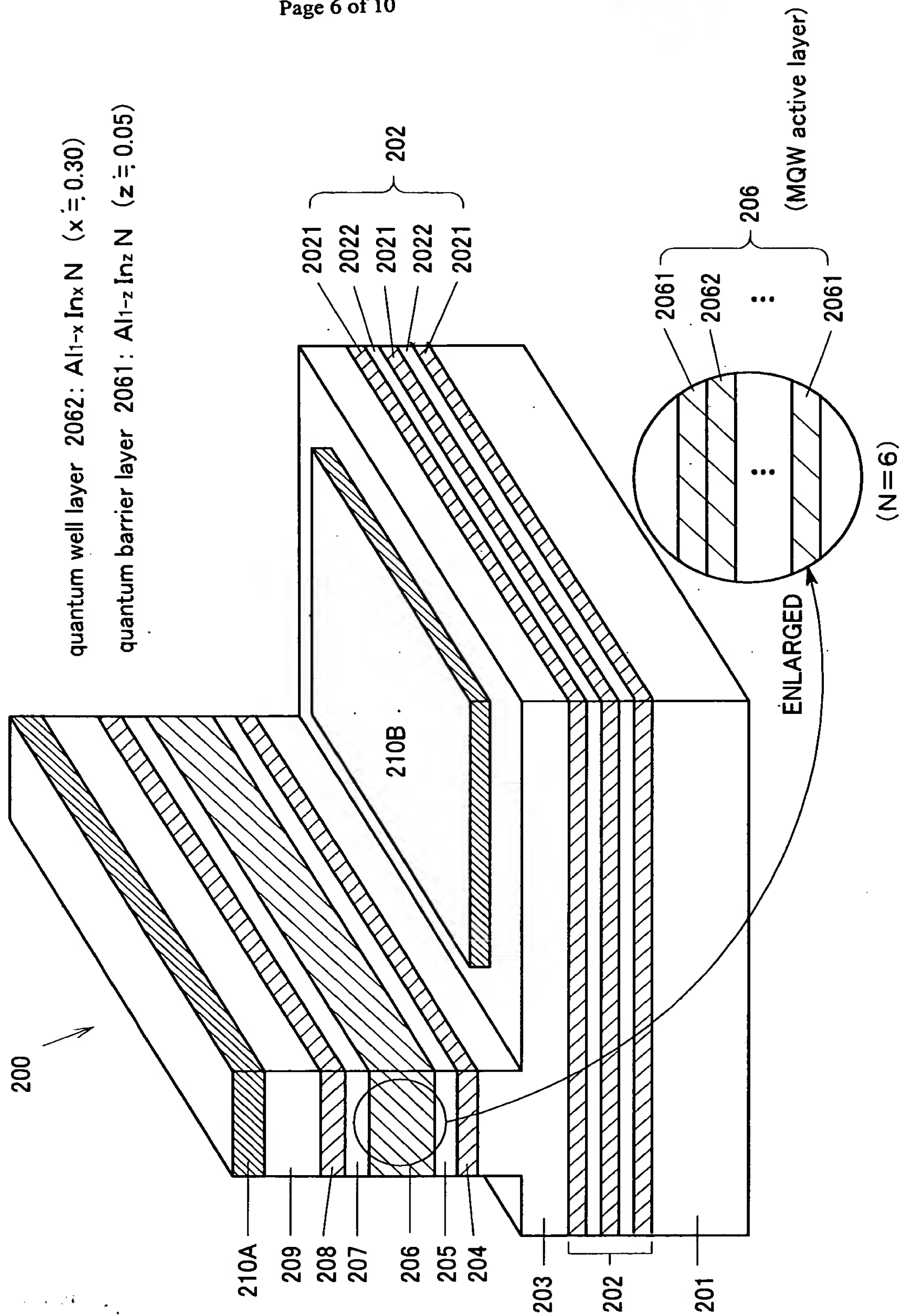
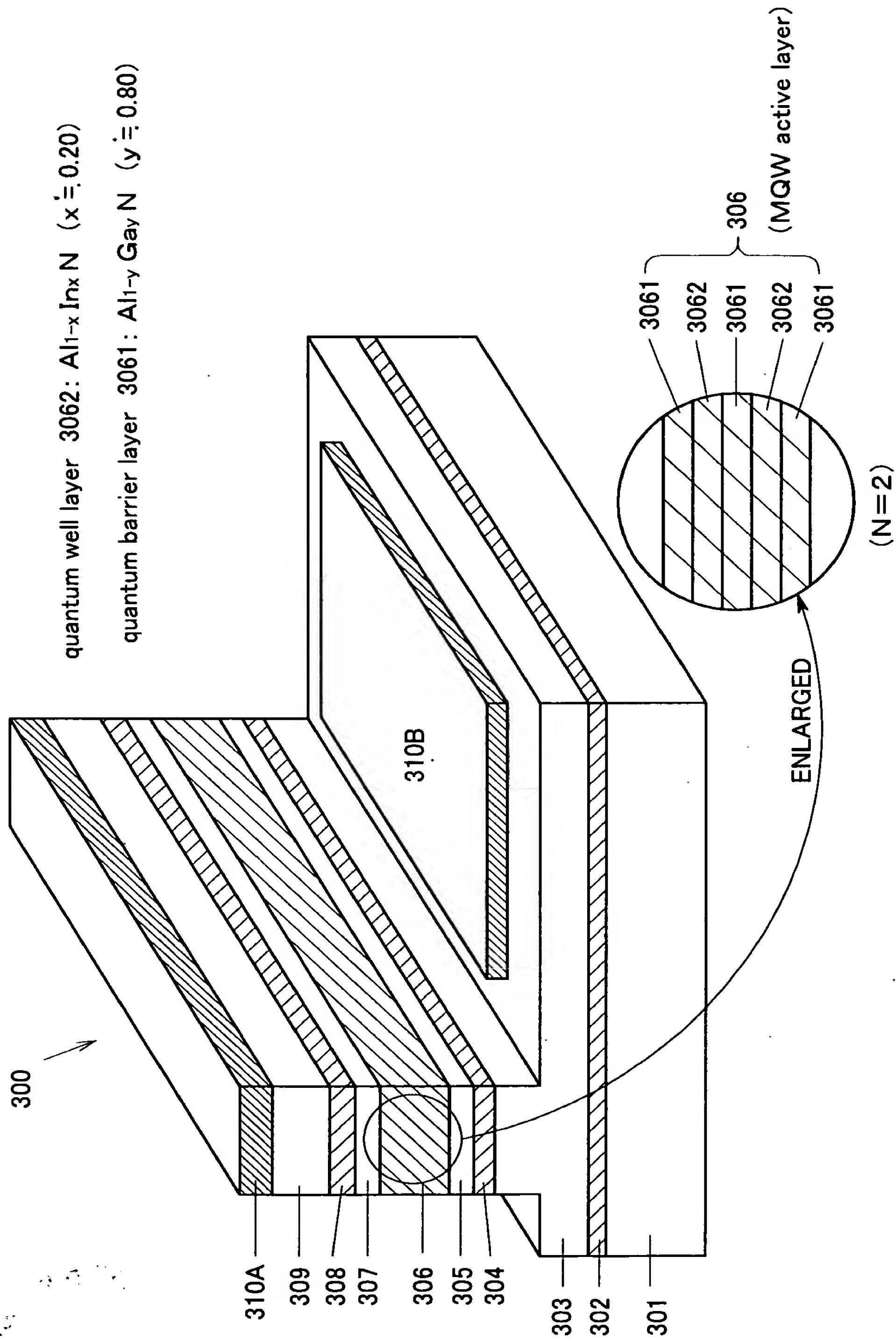


FIG. 7



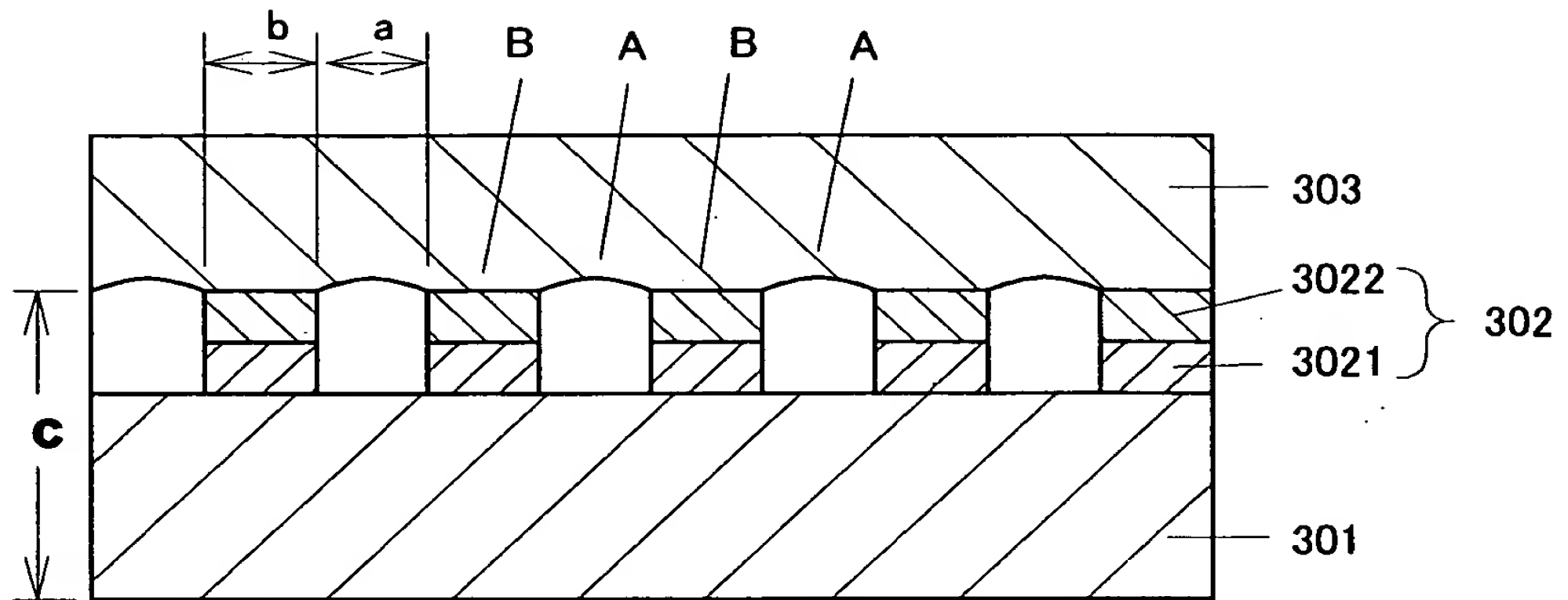
[illegible]

FIG. 9

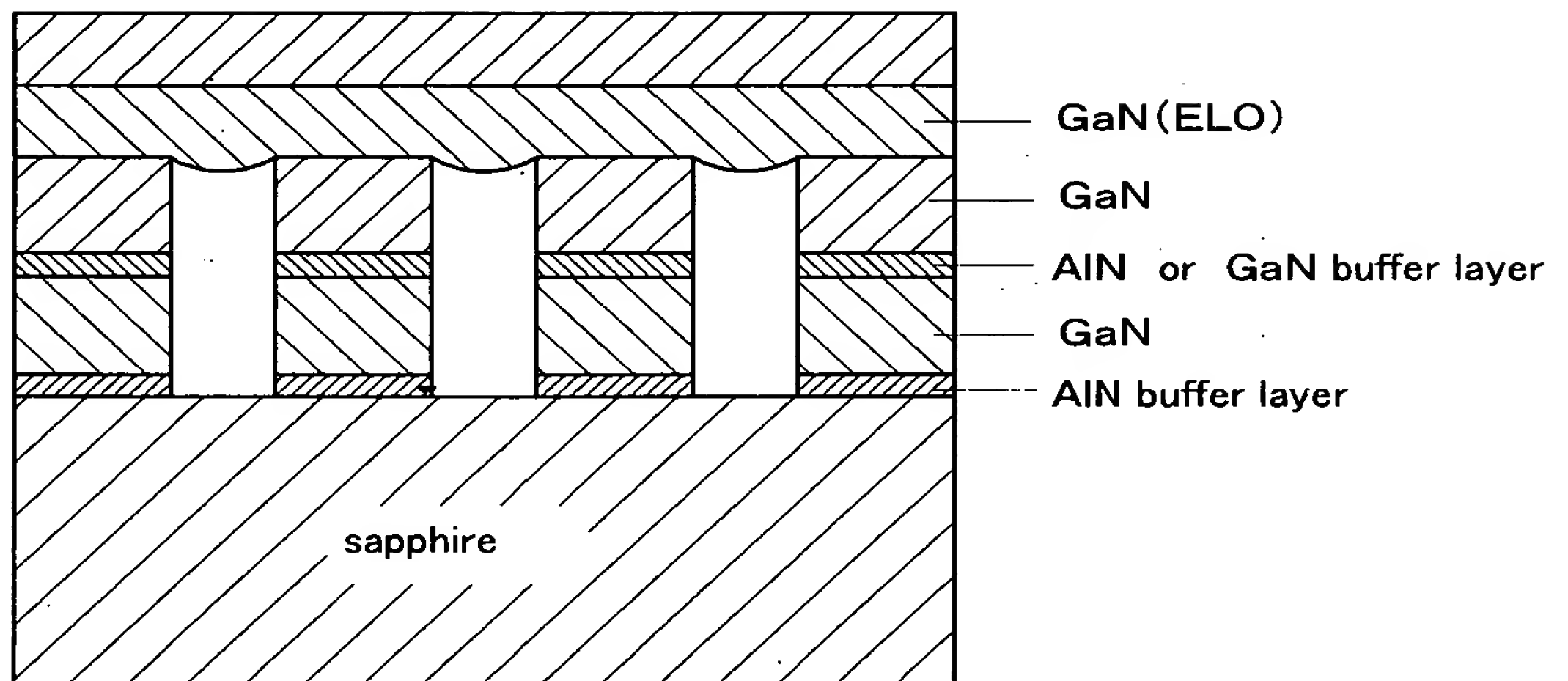
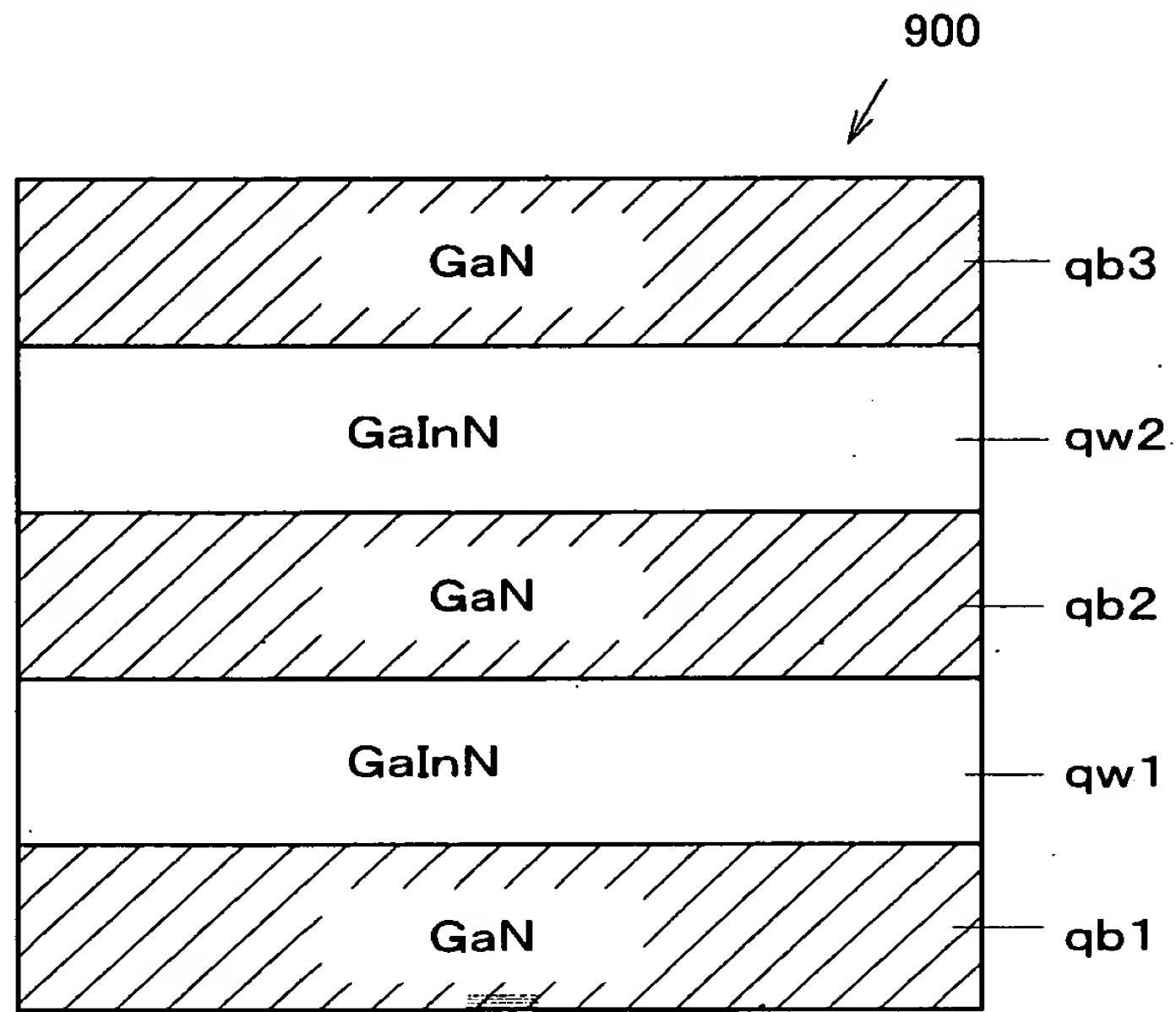


FIG. 10
(PRIOR ART)



qwn: quantum well layer ($n=1, 2$)

qbm: quantum barrier layer ($m=1, 2, 3$)